

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Re Application of:

Inventors: Xiao-Fan Feng, and Scott J. Daly

Serial No: 10/645,952

Filed: August 22, 2003

Title: SYSTEMS AND METHODS FOR
DITHER STRUCTURE CREATION
AND APPLICATION

Attorney Docket No.
SLA1222

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

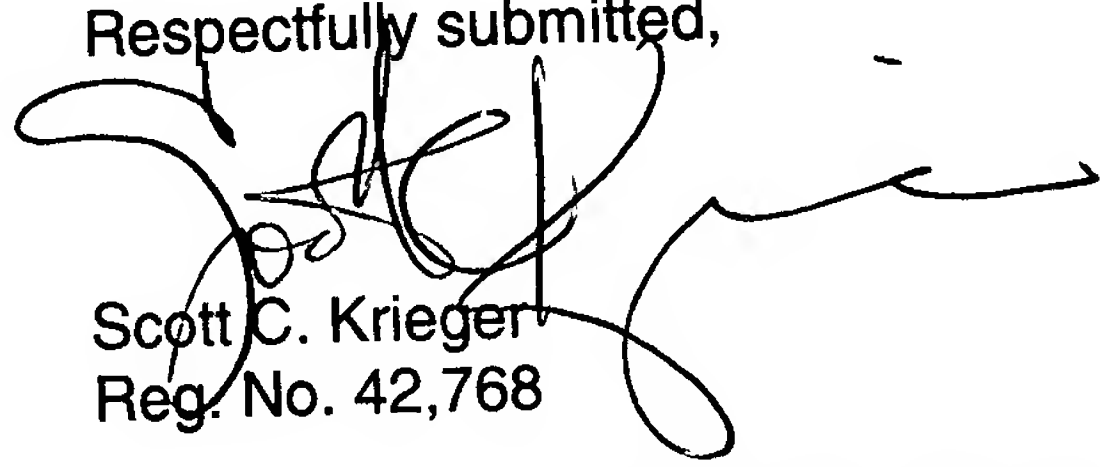
Sir:

Listed on attached Form PTO-1449 is information submitted pursuant to 37 C.F.R. §1.56. A copy of each listed publication is submitted herewith.

Applicant respectfully requests that the listed information be considered by the Examiner and made of record in the above-identified application.

September 30, 2003
(Date)

Respectfully submitted,


Scott C. Krieger
Reg. No. 42,768

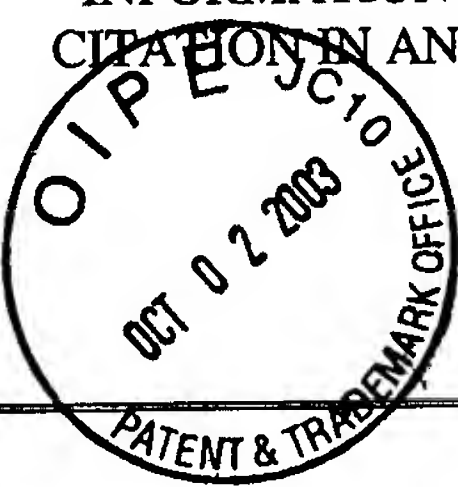
Scott C. Krieger, Patent Counsel
Sharp Laboratories of America, Inc.
5750 NW Pacific Rim Blvd.
Camas, WA 98607

Telephone: (360) 817-8488
Facsimile: (360) 817-7447

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8
I hereby certify that this correspondence is being deposited in the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: **Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450** on September 30, 2003


Kimberly L. Mullen

Disclosure SLA1222

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION 		DOCKET NUMBER SLA1222	APPLICATION NUMBER 10/645,952
		APPLICANT Xiao-Fan Feng, and Scott J. Daly	
		FILING DATE: August 22, 2003	GROUP ART UNIT

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILE. DATE IF APPROP.
	3,244,808					
	3,562,420					
	3,739,082					
	4,275,411					
	4,460,924					
	4,568,966					
	4,652,905					
	4,758,893					
	5,148,273					
	5,253,045					
	5,652,624					
	4,758,893					
	5,148,273					
	5,253,045					
	5,652,624					
	4,758,893					
	5,619,228					
	5,623,281					
	5,726,718					
	5,751,379					
	5,969,710					
	6,040,876					
	6,052,491					
	6,215,913					
	4,965,668					
	5,254,982					
	5,714,974					
	5,712,657					
	6,084,560					
	6,147,671					
	3,961,134					
	4,956,638					
	5,164,717					
	5,111,310					
	5,138,303					

	5,201,030					
	5,218,649					
	5,227,869					
	5,333,260					
	5,333,262					
	5,619,230					
	5,696,601					
	5,809,178					
	6,920,653					
	6,288,698					
	5,577,590					
	5,712,651					
	5,552,800					
	6,122,783					
	5,059,963					

OTHER DOCUMENTS

	L.G. Roberts (1962) "Picture Coding using pseudo-random noise" IRE trans. On Information Theory. Feb 145-154
	J. Thompson and J. Sparkes (1967) "A pseudo-random quantizer for television signals", Proceedings of the IEEE, V. 55 #3, 353-355.
	R. Ulichney, "Dithering with Blue Noise", Proceedings of the IEEE, vol. 76, no. 1, pp. 56-79, 1988.
	T. Mitsa and K. Parker (1991) "Digital Halftoning using a Blue Noise Mask", In SPIE Electronic Imaging Conference, V. 1452, 45-56.
	A. Ahumada and A.B. Watson (1985) "Equivalent input noise model for contrast detection and discrimination", JOSA V. 2 #7, 1133-1139
	S. Daly (1990) "Application of a noise-adaptive contrast sensitivity function to image data compression" Optical Engineering V. 29, 977-987.
	S. Daly (1993) "Visible Difference Predictor: Algorithm for the assessment of image fidelity", in Human Vision and Digital Images, Ed. By A.B. Watson, MIT Press.
	D. Field, A Hayes, and R. hess (1993) "Contour Integration by the human visual system: Evidence for local associations field". Vis. Res. V. 33 #2, 173-193.
	T. Pappas and D. Neuhoff (1995) "Printer models and error diffusion", IEEE Trans. On image processing V. 4 #1, 66-80.
	J.K. Ijspeert, et al (1993) "An improved mathematical description of the foveal visual point spread function with parameters for age, pupil size, and pigmentation", Vies. Res. V. 33, 15-20.
	D.R. Williams (1985) "Visibility of interference fringes near the resolution limit", JOSA AV.2, p 1091.
	J. Mulligan (1993) "Methods for spatiotemporal dithering" SID Conference, pop. 155-158.
	D. Kelly and C. Burbeck (1980) Spatiotemporal Characteristics of visual mechanisms: excitatory-inhibitory model. JOSA V. 70, pp. 1121-1126.

EXAMINER

DATE CONSIDERED